



# The Raleigh Amateur Radio Society's **EXCITER**

## GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the First Tuesday of each month.



## PUBLIC SERVICE EVENTS

Interested in helping? Visit  
<http://www.rars.org/public-service.php>

frequently for our 2016  
ham public service  
schedule.

## RARS General Meeting

**Topic:** Global Weather models by T.C. Moore

**Date:** July 12, 2016

**Time:** Meeting at 7:30 p.m.

*Informal gathering and refreshments from 7 - 7:30 p.m.*

**Where:** Ridge Road Baptist Church. 2011 Ridge Rd., Raleigh  
New HAM / Elmer meeting, 6:00 p.m. before member meeting

Tadd Torborg, KA2DEW, Elmer Coordinator

[Click here for more information.](#)

## RARS President's Message

July, 2016

It's hard to believe we are already halfway through 2016. As we approach Independence Day I hope everyone is able to spend time with family and friends to celebrate the birth of this great nation.

Last weekend many of you made the trip to the Carroll farm as RARS again participated in ARRL Field Day. Cooler weather prevailed this year as we operated in the 6A class. Propagation was not as ideal as in some past years, resulting in lower QSO numbers, but other stations had to battle this also. After resolving some early

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## RARS Officers

### **PRESIDENT**

Dennis Keith  
NC4DK  
919-803-7973  
[NC4DK@yahoo.net](mailto:NC4DK@yahoo.net)

### **VICE PRESIDENT**

Tom Lewis  
N4TL  
[N4TL2@yahoo.com](mailto:N4TL2@yahoo.com)

### **SECRETARY**

Bob Chapman  
NC1X  
919.782.5778  
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### **TREASURER**

Greg Seamster  
KE4PAX  
919.859.0029  
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## The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website ([www.rars.org](http://www.rars.org)).

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## ***Exciter***

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at [www.rars.org](http://www.rars.org). Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor ([editor@rars.org](mailto:editor@rars.org))

## For Your Information

### RARS General Meeting

Date: **Second** Tuesday of each month

Location: Ridge Road Baptist Church 2011  
Ridge Road Raleigh, NC, 27607

Time: People begin arriving at 7 p.m. The meeting officially begins at 7:30 p.m.

### RARS Monthly Dinner

All members and guests are welcome to the monthly (first Tuesday) RARS Supper, 6:30PM, at the Golden Corral Restaurant, 6129 Glenwood Ave., Raleigh. Informal and Dutch, just bring your appetite and best rag to chew. 73, Chuck, K4HF

### RARS Repeaters in Raleigh

146.640 and 444.525

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

There is a net Listing on the RARS website click here. <http://www.rars.org/nets.php>

### VE Testing

The RARS VEs will accept walk-in testing in February, May, August and November at 5:30PM, prior to RARS membership meetings at Ridge Road Baptist Church; the RARSfest in April; the Cary Swapfest in July; the JARS-Fest in November; and following RARS license classes. Please bring a photo ID, your original and a copy of your current license, your \$14 exam fee, and any valid CSCEs that prove passing elements beyond that of your current license. Visit [www.rars.org](http://www.rars.org) for more information.

### President's Message continued

crossband interference issues, the operators settled into a steady run of contacts through the night and into the next day. We had stations on 20m and 40m CW, 15/80m Phone, 20m and 40m Phone, 6m and 2m VHF, Digital, and GOTA.

Many thanks to the band captains James Marolda, KE4DRN (Digital), Curt Phillips, W4CP (15/80m PH), Bob Starkenburg, W4TTX (20m PH), Andy Peterson, AA9P (40m PH), Steve Jenkins, W4MGT (20m CW), Dave Eckert, KB8V (40m CW), Dave Thomas, K4SAN (2m/6m VHF), Charles Good, KM4AMT (Welcome Station), and John Snellen, AI4RT, (Welcome Station), and the many others who offered their services as operators, loggers, antenna installers, traffic handlers, food and beverage preparation, welcome station, and education sessions.

Those who missed Field Day also missed out on the best Saturday meal ever provided for our Field Day crew. Oliver Young, son of Marty, W4MY, cooked a pig on site along with the sides and dessert and served a meal fit for a Ham.

Carl Davis, W8WZ, and Marty Young, W4MY,

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### President's Message continued

provided education and training sessions. Carl explained the National Traffic System and how to complete Radiograms. Marty explained the use of an antenna analyzer on a homebrew antenna constructed by a youth who attended Field Day.

Also, special thanks to Jim Carroll, N4CAE, and Beth Carroll, KF4QMR, who have allowed the RARS Field Day Crew to invade their property on the fourth full weekend in June for 20 consecutive years!

As Sunday afternoon rolled around and the Field Day clock expired, equipment was disassembled and loaded back into vehicles for the trip home. Now it's hurry up and wait for a few months for the final scores to be released by ARRL. I can't wait until next year's Field Day.

73 and Happy Independence Day,  
Dennis, NC4DK

### New Members

Laura Block	KG4WQT
Charles Reeve	KM4UVJ
Sandi Ford	No License
Paulette Disbrow	KM4RMW
Stu Satterwhite	KM4GDP

### RARS July Birthdays

Cheryl	WA1WEY	07/01
Justin	KM4JPY	07/03
James	KE4DRN	07/03
Tony	KM4JQZ	07/04
Cale	KM4KRY	07/05
Doug	K1DUG	07/06
Eugene	KD4YJX	07/06
Bill	N9JLP	07/06
Bruce	K6BDH	07/07
Bill	N1ULP	07/08
Cathy	KA3QPU	07/09
John	AI4RT	07/10
Annette	KB4AQH	07/11
Doug	AD4UL	07/14
Jerry	WA1WHD	07/15
Lowell	K4EUP	07/17
Bob	K4RLC	07/19
Frank	KI4HFZ	07/24
Ferdinand	AD4RC	07/25
Lee	WB4DRJ	07/25
Chuck	WB4TNC	07/26
Charles	WB4DCM	07/26
Pastor	KM4MUV	07/27
Meme	KE4NGM	07/28
William	K4CIA	07/28
Darryll	KJ4BJX	07/29
Dave	W4YDY	07/29
Bob	KI4YXM	07/30
Tim	W4TRB	07/30
Scott	KJ4TUC	07/30
Alexander	KM4IIZ	07/31

## June 14 RARS meeting

### Door prize winners



John Snellen (AI4RT), Don Cowden (N8DDK), Pam Kelley,  
Mike Murphy (WA4BPJ), Dan Marks (KW4TI)



President Dennis Keith presenting a certificate of application to  
Curt Phillips, W4CP. It is for joining the RARS Teaching Staff and for  
teaching the Technician License Class.



## June 14 RARS meeting

Dennis Keith (NC4DK) gave a presentation about  
the upcoming Field Day Event



From Dennis Keith, NC4DK



Photo by Marc, W4MPS



Photo by Tom Lewis, N4TL

## RARS 2016 Field Day Pictures



RARS GOTA Station  
Listening and Training  
Tent



RARS GOTA Station 2016 Field Day



Thanks to Marc, W4MPS for these FD pictures. There are more at this URL,  
<https://www.flickr.com/photos/sullivanphotos/albums/72157667518296104>



## RARS Presentations

The RARS presentation for the month of July will be given by T.C. Moore, a weather man. He teaches a course at NC State on Military Weather, and is a retired Air Force officer.

The RARS presentation for the month of August will be given by Fred Benson, NC4FB. The subject is Antenna Modeling.

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## New Hams Meeting

The New Hams meeting is held every month before the regular RARs meeting. We'll try to start by 6pm. We try to address topics in a manner that will be of help to hams in their first year of operation. Information about the June meeting is on the [next two pages](#).

Tadd Torborg, KA2DEW,  
Elmer Coordinator  
tadd@mac.com,  
Raleigh NC FM05pv

## RARS Classifieds

There are no items at the time the Exciter was published. Go to this link to find the latest items, [www.rars.org/classifieds.php](http://www.rars.org/classifieds.php).

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## Callbooks Online

If you are interested in researching old amateur Call Signs, it is easier now than it used to be. There are about 50 callbooks that have been scanned and placed online. You can view them online or download PDF files containing various sections (usually by call district). Earliest is 1909 and going through 1994, and not many long gaps (although you might miss some Novice licenses here and there). The 1920s is almost complete. Some years it is the winter edition and others spring, so you can't sort by year but you can find what they have easily enough.

Go to [www.archive.org](http://www.archive.org)  
Under search, enter callbook  
The listing will appear.

There were 57 items in the listing, although a few of them refer to magazines that referred to callbooks.

73, John W4CC



## The New Hams meeting

At our June new-ham meeting there were 8 hams licensed in the past year, 4 in the year before that, and 4 of us old-farts.

June's meeting started indoors at 6pm. We immediately went into a presentation on [Repeaterbook.com](http://Repeaterbook.com) by Nathan, KM4DVE. Nathan is a 2 year new ham who has jumped right into the hobby with a vengeance. His new thing, as of a few months ago, is that he volunteers to [Repeaterbook.com](http://Repeaterbook.com) as a North Carolina "admin" which means he is the guy that reviews local submissions from the crowd. Repeaterbook is a free website run by dozens of hams. Repeaterbook lets you search out repeaters by frequency, distance from some specified town, or by state. You can chose to show repeaters which are reported on-the-air, or all re-

peaters, in any search.

[Repeaterbook.com](http://Repeaterbook.com) is a crowd-sourced Repeater book, giving frequencies, locations, PL tones, offsets, club information, and much more. Crowd-sourced means its information is supplied by every-ham and can be submitted to the system by anybody who choses to. You sign up and validate an email address, then, using buttons on the web-site, you can add or change information displayed on the site. If you see something wrong on the site, it is up to you to change it!

Repeaterbook shares its data with a cell-phone app available for Android and Apple smart-phones and tablets. Search for Repeaterbook. Changes submitted on the web site will eventually show up as a

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Photo by Tadd Torborg, KA2DEW

## The New Hams meeting



*Photo by Tadd Torborg, KA2DEW*

monthly update to the app on the cellphone (or tablet).

Nathan presented the Repeaterbook web site and all of this information in front of the group. He is shown here demoing the web site on the large TV display NC4FG brought in.

Next we did a hands-on demonstration of shrink-wrap-tubing. This stuff is used instead of black-tape to insulate, protect, and offer strength to wired connections. Heat-shrink-tubing is cheap and available at ham-fests or on-line. It can be applied using a paint-stripper-heat-gun soldering iron, or butane cigarette lighter. Yours-truly, KA2DEW, did a presentation and asked the audience to come up and try shrinking using a paint-stripper-heat-gun.

After the heat-shrink demo we had informal Q&A time.

### Heat shrink tubing demonstration



*Photo by Tom Lewis, N4TL*

Present were new hams: KM4UAG, KM4TCT, KM4RMQ, KM4RNF, KM4RMZ, W4JSK, KM4CSF, KM4NBO

Not so new hams: KM4KRV, NC4FG, KM4DVE, KM4DJR

And definitely not new hams: KE4VNC, WZ0Q, KA2DEW, AB4OZ

**Tadd / KA2DEW**

**[tadd@mac.com](mailto:tadd@mac.com)**

**Raleigh NC FM05pv**

**“Packet networking over ham radio”: [http://tarpn.net/t/packet\\_radio\\_networking.html](http://tarpn.net/t/packet_radio_networking.html)**

## Technician Class Exam Preparation Course

Raleigh Amateur Radio Society  
([RARS.org](http://RARS.org))

Original Announcement Date: June 21, 2016

The **Technician Class** license, Level 1, is the first of three levels of licensure. Level 2 is the **General Class** and Level 3 is the **Amateur Extra Class**. The Technician course assumes that you know nothing about electronics, communications or advanced math.

**Children/youth:** We highly encourage the participation of children and youth especially as a means to acquaint them with science and technology (i.e., STEM). It is recommended that the child be at least 13 (7<sup>th</sup> grade). It is a struggle for children of younger ages, although we have seen some pass the test. Parents are encouraged to attend the sessions with their children (at no cost if they are not getting a license). **Boy Scouts** have an **Amateur Radio Strip** that can be worn on the uniform of a scout who has an Amateur Radio license.

**When:** This course has four sessions: Aug 6, 20, 27, Sep 10. (There are two gaps: Aug 13 and Sep 3 when there is no session.) The sessions will begin at 8:00 a.m. and end around 12:30 p.m.

**Where:** Raleigh, NC. Specific location will be provided upon pre-registration.

**Volunteer Instructor:** Curt Phillips, W4CP, has an Extra Class license.

**Tuition:** \$10.00 (payable at the first session). There is no tuition for RARS members who are attending (auditing) a course of which they already have a license.

**Course Text:** The required manual is the current edition of: **The ARRL Ham Radio License Manual – Level 1 Technician, 3rd Edition** (April 2014) (ISBN: 1-62595-013-0). The student is responsible for the purchase of the manual which can be obtained online (i.e. ARRL, Amazon, etc.).

**Examination:** An **optional** examination is scheduled for the afternoon of the last session for the convenience of the students. This is done by a separate group of RARS Volunteer Examiners and there is an additional fee.

**Pre-Registration:** E-mail me back with **your phone number** (in case I need to get a hold of you quickly). A registration form and other details will be e-mailed to you.

This course is also listed on the ARRL Website at "Find a Class."

**Next Course:** General course (4 sessions) is scheduled to start: Oct 1, 2016

Murray Merner, K4MHM  
RARS Education Director  
[Education@rars.org](mailto:Education@rars.org)  
919-803-7973

## The Tar Heel Scanner/SWL SIG group

The Tar Heel Scanner/SWL SIG group met on June 20th at Red Hot and Blue restaurant on Falls of Neuse Road in Raleigh. Nine people attended.

The main topic of the evening was antenna analyzers. Bob Kulow, WA2UEH, gave an overview of the MJF 223, Tom McKee, K4ZAD, discussed the Autek Research RF-1 and Curt Phillips, W4CP, brought in the MFJ 269C Pro.

Several other things were discussed such as HackerBoxes.com for monthly electronics, and the Raleigh Durham / [Wake JOCO Scanner Facebook](#) page and the @raleighscan Twitter page to follow all the area public service action.

The group enjoyed the topics and the meeting adjourned at 9:00.

The next meeting will be held on July 18<sup>th</sup> at Red Hot and Blue. The meeting topic has yet to be decided.

Meetings are held on the third Monday of each month. We meet at 6:30 for dinner and the meeting begins at 7:30 and ends at 9:00. For more information and announcements about the upcoming meetings, see the Tar Heel Scanner / SWL SIG Yahoo group (<https://groups.yahoo.com/groups/tarheelsscanner>).

73, Kelly, AE4FG

## Future Hamfests

A full list of Hamfests can be found at the [ARRL website](#).

07/09/2016 | [31st Annual Firecracker Hamfest](#)

Location: Salisbury, NC Type: ARRL Hamfest Sponsor: Rowan Amateur Radio Society  
Website: <http://www.rowanars.org/firecracker-hamfest>

07/16/2016 | [Mid-Summer SWAPFEST](#)

Location: Cary, NC  
Type: ARRL Hamfest  
Sponsor: Cary Amateur Radio Club  
Website: <http://www.qsl.net/n4nc>

09/03/2016 | [North Carolina State Convention \(Shelby Hamfest\)](#)

Location: Shelby, NC  
Type: ARRL Convention  
Sponsor: Shelby Amateur Radio Club  
Website: <http://shelbyhamfest.org>



# Minutes

## Raleigh Amateur Radio Society Board of Directors Meeting May 17, 2016

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The meeting was called to order by President Dennis NC4DK at 7:05 p.m.

Present: Bill Mars AK4BL, Joanne Mars AK4RJ, John Snellen AI4RT, Chuck Littlewood K4HF, Dennis Keith NC4DK, Bob Chapman NC1X, Tom Lewis N4TL, Murray Merner K4MHM, Raymond LeFrancois NC4OO. These 9 members present constitute a quorum.

The minutes of the April meeting having not been distributed to all members, action was postponed until the June meeting.

Vice President's report: Tom N4TL announced that the speaker for the June membership meeting has been scheduled – Dennis NC4DK will speak on Field Day.

Treasurer's Report: In Greg's absence Dennis NC4DK distributed the budget summary and proposed 2016/2017 budget. He noted that the capital funds for repeaters will be carried over to the next fiscal year because they have not been spent this year.

Public service awards are not budgeted in the public service line item. John AI4RT moved that we should have a category in line item 12 (Public Service) of the budget to cover "Ham public service awards & recognition" and fund it at \$150. The motion was duly seconded and approved unanimously.

Secretary: no report.

Directors' reports:

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Public Service: John AI4RT mentioned that the Tour de Cure was last weekend and announced RARS will operate as net control with the police at the Balloon Fest in Fuquay. This will be our first joint activity with the Fuquay police.

Education: Murray K4MHM announced that the Extra class is finishing and the Technician class will begin in August. Courses usually take 4 days.

PIO: no report.

Past President: no report

At large directors: no reports

NC QSO Party: Marty W4MY was not present as he has been visiting other clubs presenting plaques for participation in the recent QSO party.

Scouts: no report

FM Repeater: no report

EXCITER: The new issue of the EXCITER has been started but not finished. The deadline for the June issue is Jun 4 th. The June Exciter will be published some time during the following week. Reported anecdotes indicate that the membership is not as aware of the EXCITER as it should be. We need to attract more attention to the EXCITER and the means of obtaining a copy.

ARRL Liaison: Chuck K4HF mentioned several new proposals from the FCC to which we should pay attention, as they could affect amateur band use if approved.

ARRL NC section: no report

Webmaster: Hank K4HM reported from afar that he has created a Public Service Signup /Scheduling function for the Balloon Fest. He is working on improvements to the RARSfest database and is cleaning up old and unused web files. He is also working with Delta Force on improvements to their security system that will facilitate his access to the system as he travels about the country.

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RARSfest: John K4HF reported in Ian's absence that RARSfest is set for April 15, 2017 (Easter weekend). This will coincide with the Morganton Hamfest, but it only happens when Easter is on the third weekend in April.

Field Day: Dennis NC4DK reported that Field Day is planned again for the Carroll Farm. He is still looking at other locations which are closer to town.

Repeater Trustee: no report.

Net Manager: no report

Old Business –

Club brochure needs to be updated. Charles KM4AMT is managing this work. Board members should have received a PDF file from Charles for background. Anyone with suggestions for the brochure should get them to Dennis NC4DK promptly so they can go to Charles for the update.

Club Shirts: Murray K4MHM modeled a shirt. Nine have been sold informally. Murray will take orders at the next membership meeting only; after that, members can order directly from the knitter, and will have to pay shipping. An order form will appear on the RARS website. Transactions will be between the customer and the Shirt company, i.e., RARS and Murray are not going into the shirt business. Murray will take cash at the meeting but no credit. Orders to the Knitter can use credit.

The board expresses appreciation to Joanne AK4RJ & Murray K4MHM for their work in getting the shirts designed and finding a vendor.

Next meeting date: June 21, 2016, at 7:00 p.m.

The meeting was adjourned by Dennis NC4DK at 8:32 p.m.

Respectfully submitted,

Robert E Chapman, NC1X

RARS Secretary

# MINUTES

## Raleigh Amateur Radio Society General Membership Meeting June 14, 2016

The meeting was called to order by President Dennis, NC4DK, at 7:32 p.m.  
There were 45 members present which constituted a quorum.

The minutes of the May 10, 2016 meeting were approved as published in the Exciter.

Vice President - Tom N4TL thanked all who made submissions to the current edition of the Exciter, making it the biggest in memory.

Treasurer Greg KE4PAX reported remotely that the club has 445 members this month. Other details are available from any officer.

### Announcements:

RARS Dinner is every first Tuesday. The next will be July 5th at 6:30 p.m., at the Golden Corral on Glenwood.

RARS Board will meet July 19th at 7 p.m. in the Church.

The after-meeting gathering will be at Applebee's at Hillsboro & Gorman streets.

Guests: Alex (call pending), Jeremy KI4PKS, Jeff (no call), Braxton (no call), and ARRL CT Section PIO Dana, KA1WPM.

Youth preparedness group is moving along. Pam with the Youth Exploration Services invited interested parties to meet at St. Paul AME church in downtown this Saturday, 10 am – 2 pm. Saturday is ARRL Youth day as well.

Ken KI4OTO has things from Jack Foster's estate in his car for sale cheap.

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Allen AB4OZ will lead a ten-meter SSB net Saturday June 18th, about 9 p.m. after the nightly 2m net. We meet on the 146.64 repeater and then go to 28.364 MHz SSB.

Public Service- John AI4RT reported the balloon fest in Fuquay was great for the first two days; then it got wet. Members should check the RARS website for PS opportunities on future dates.

Education - Murray K4MHM announced the TECH course will move forward a little due to scheduling necessity. The next GENERAL class will be in October. The next EXTRA course will be sometime in 2017, after the question pool changes.

FM repeater – no report

NC QSO Party - The South Carolina results are out. Marty W4MY thanked all participants for a good QSO Party 2016. The dinner was won by a ham in Michigan.

At large directors - Marty W4MY, Bill AK4BL, Raymond NC4OO – no reports

Old business - Club Shirts - Today is last time to order from Murray. Afterwards there will be a website for direct orders. See the RARS website, members only section, for a link.

Door prize drawing - The prizes were won by Pam (no call), Mike WA4BPJ, Don N8DDK, Daniel KW4TI, and John AI4RT.

Program. Dennis NC4DK, field day chair, presented on Field Day 2016, which will be June 25th and 26th, at the Carroll farm on Friendship Road in Apex. Field Day is the largest emergency preparedness exercise in the United States. It has been an approximately annual event since 1933. Temporary off- the- grid stations are set up outside to simulate disaster response. RARS will have a GOTA station for new/inactive hams or the curious. Field Day is not a contest although its operating procedure is similar. Dennis reviewed the station classes and restrictions. Home stations may participate in Field Day with some restrictions, e.g., if you operate W4DW at the farm, you cannot go home and work W4DW for credit.

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NTS message traffic handling will be available by Paul, KE4TMN. Forms will be on the table in the operating tent. We get bonus points if we handle 10 messages.

A Field Day net for final notices and planning will be held on the 146.64 repeater after the 8:00 p.m. net on June 17th. It will start approximately 8:30 p.m. At the farm we will use 146.55 simplex for comms.

Bring bug spray and plenty of water.

Field Day Setup begins at 0800 EDT Friday June 24. Operating runs 1400 EDT Saturday through 1400 EDT Sunday. Teardown is usually complete well before sundown. We should leave the Carroll's farm as we found it.

Dennis recognized Oliver Young, who will be our field day chef, the Carrolls, and various field day providers of services to the club.

The meeting was adjourned by Dennis NC4DK at 9:00 p.m.

Respectfully submitted,

Robert E Chapman, NC1X

RARS Secretary



Another RARS 2016

Field Day Picture

Oliver Young, son of Marty, W4MY, cooked a pig on site along with the sides and dessert and served a meal fit for a Ham.

*Photo by Marc, W4MPS*

# Current Public Service Opportunities

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To volunteer for a Public Service event please go to the RARS website and complete the form at the top of this page. <http://www.rars.org/public-service.php>

*The Ham Public Service Net The HPS Net is on vacation, we will resume when the 2016 PS season begins. We will use the following repeaters in the Carolina 440 Link System:*

441.725(+)(100) – Raleigh, NC Hub  
443.450 (+)(100) – Cane Mt., Snow Camp, NC  
444.325 (+)(100) – Holly Springs, NC  
444.375 (+)(100) - Henderson, NC  
444.550 (+)(100) – Coats, NC  
444.775 (+)(100 – Cary, NC  
444.875 (+)(100) – Wendell, NC  
145.330 (-)(100) – Goldsboro, NC  
442.250 (+)(107.2) - McCain/Southern Pines, NC  
444.200 (+)(179.9) - Johnsonville, NC  
444.025 (+)(100) - Benson, NC  
442.425 (+)(100) - Buxton, NC

*(The net is also accessible through IRLP Reflector 9210)*

*The Ham Public Service Yahoo Group link is: [Ham Public Service North Carolina](#)*

Choose the event(s) for which you would like to volunteer and complete the sign-up form at the RARS website .. note... one form for EACH event that you are volunteering. We are glad you are back. <http://www.rars.org/public-service.php>

**\* TO VOLUNTEER FOR ANY OF THESE EVENTS ON THE NEXT PAGE  
FILL OUT THE FORM AT <http://www.rars.org/public-service.php>**

### **2016 VELO 4 YELLOW**

**July 16, 2016 - Saturday - Raleigh, NC**

We will offer 3 routes: 30, 60 and 100 miles along the scenic country roads of Northern Wake, Granville, Person, Durham and Vance counties. Enjoy the ride with stocked rest stops, SAG vehicles and mechanical support. A buffet lunch provided by Carolina Ale House accompanied by live music from Last Man Standing will make for a festive post ride party! Proceeds from Velo4Yellow will benefit LIVESTRONG in the fight against cancer.

Ham Volunteers are needed to provide communication for SAGs, Rest Stop Monitors and course safety.

\* Ham Coordinator: John (ai4rt)

\* Location: Carolina Ale House, 11685 Northpark Drive Wake Forest, NC 27587

\* Event Website: [Velo4Yellow](http://www.velo4yellow.com)

\* **TO VOLUNTEER FILL OUT THE FORM AT <http://www.rars.org/public-service.php>**

### **2016 CUPnCONE TOUR**

**July 23, 2016 - Saturday - Cary, NC**

Come celebrate two of our favorite things: Cycling and the best frozen treats in the Triangle.

Which is better - Maple View Farm ice cream or Goodberry's Frozen Custard? Do the 11th annual Cup 'n Cone Tour and then decide.

The Cup 'n Cone Tour is hosted by MS Events, Inc, a non-profit which creates athletic events to raise money to fight Multiple Sclerosis.

\* Ham Coordinator: John (ai4rt)

\* Location: Panther Creek High School at 6770 McCrimmon Pkwy, Cary 27519

\* Event Website: [CnC Tour](http://www.cupnconetour.com)

\* **TO VOLUNTEER FILL OUT THE FORM AT <http://www.rars.org/public-service.php>**

### **2016 NC TARWHEEL BIKEFEST**

**August 6, 2016 - Saturday - Hillsborough, NC**

\* **TO VOLUNTEER FILL OUT THE FORM AT <http://www.rars.org/public-service.php>**

### **2016 BABYMOON PASTA RIDE**

**August 20, 2016 - Saturday - Raleigh, NC**

\* **TO VOLUNTEER FILL OUT THE FORM AT <http://www.rars.org/public-service.php>**

### **2016 FIVE-O RIDE**

**August 21, 2016 - Sunday - Raleigh, NC**

\* **TO VOLUNTEER FILL OUT THE FORM AT <http://www.rars.org/public-service.php>**

### **2016 MS BIKE RIDE**

**September 10 & 11, 2016 - Saturday & Sunday - New Bern, NC**

\* **TO VOLUNTEER FILL OUT THE FORM AT <http://www.rars.org/public-service.php>**

### **2016 CFF CYCLE FOR LIFE**



Public Service Continued from the previous page

**September 24, 2016 - Saturday - Raleigh, NC**

**\* TO VOLUNTEER FILL OUT THE FORM AT <http://www.rars.org/public-service.php>**

**2016 LE TOUR DE FEMME**

**October 8, 2016 - Saturday - Apex, NC**

**\* TO VOLUNTEER FILL OUT THE FORM AT <http://www.rars.org/public-service.php>**

**2016 NCBC FALL RALLY**

**October 16, 2016 - Sunday - Holly Springs, NC**

**\* TO VOLUNTEER FILL OUT THE FORM AT <http://www.rars.org/public-service.php>**

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## More RARS 2016 Field Day Pictures



Carl Davis, W8WZ at one of the operating positions.

*Photos by Marc, W4MPS*

Dave Thomas, K4SAN  
at one of the operating  
positions.

